

BeamLine Operations and Safety Awareness (BLOSA) Checklist

Beamline X8A

All users must be instructed in operating the beamline safely. Leave checkbox blank if not applicable. Training valid 2 years. Visitors use Visitor/Escort forms.

EMERGENCIES

- Exits R Locate routes to nearest exits
- Fire Extinguishers R Locate fire extinguisher
- Alarm Pulls R Locate fire alarm pull
- Eye Wash/Shower R Locate eye wash/shower [For labs without eye wash stations, prop open door if using corrosives]
- Spill Station R Locate spill control station
- Green/Yellow Boards R Locate/discuss Green Board (beamline emergency contacts, phones and info) and Yellow Board (safety info)
- Emergency Stop A Locate emergency stop buttons, review purpose and operation

CONTACTS

- OPCO R Refer to instructions posted on the beamline phone for Operations Coordinator (OPCO) Assistance

BEAMLINE OPERATIONS

- Hutch Interlocks A Review hutch interlock operations; emphasize that purpose of interlocks is to prevent injury when beam is on
- Enabling Beamline R Review procedures to enable beamline
- Red & Yellow Tags R Provide information about any beamline equipment or systems that are yellow or red tagged
- Beamline Config R Configuration changes to beamline are to be completed by Beamline Staff only
- Power Failure A Identify circuit breaker location; contact Beamline Staff or OPCO to reset circuit breakers
- Storage Ring Vacuum A Review procedures for vacuum work and bleed ups to upstream/front end machine vacuum; contact OPCO before proceeding
- Pink Cards R Beamline may be unattended up to 24 hours unless SAF states "no unattended operations" (review procedure)

END STATION / EQUIPMENT

- Computer Ops R Reminder to review computer operations, control software, data acquisition software
- Electronics Rack B Review required sequence for controls on electronics rack, especially shutter controls
- End Station Config A Configuration changes to end station equipment are to be completed by Beamline Staff only
- Water Chiller B Review safety procedures, shutoff valves, and alarm for water chiller
- Air Valves B Review safety and shutoff procedures for experimental air valves
- Venting/Recovery B Review venting and recovery procedures
- Monochromator B Review procedures for operation of monochromator, silicon crystal, and multilayer crystal
- Adding Chamber B Review procedures for adding experimental chambers and review extension policy

DOCUMENTATION

- Beamline Manuals R Review location of manuals and beamline documentation (must be readily available)
- Data Logbook B Review use and location of Experimental Data Logbook
- User Help B Refer to <http://www.bnl.gov/u3cx8a/> for beamline information
- Reminders R Identify location of Experimental Reminders list posted at the beamline

EXPERIMENTAL HAZARDS

- Radiation Hazards R Identify radiation locations; inform user to move away from area and call control room if chipmunks sound off
- Beryllium A Identify location of beryllium articles or beryllium windows and procedures for notification in case of breakage
- Interference B Stay at least 3' away from electron meters to avoid equipment interference
- Hazard Analysis R Identify location of beamline hazard analysis form

ENVIRONMENTAL WASTES

- Solder B Review procedure for removal of solder waste

CLOSE OUT

- Disabling Beam A Secure the beamline and disable shutter/beam before you leave

I understand the instructions given to me on beamline operations and safety awareness.

Designated BLOSA trainers for this beamline:

PRINT User Name	Guest #	User Signature	Date	Trainer's Signature	√ UAdm

□ B. Dong